



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT3022ACW120-277V\_P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TESTLAB] Photopia 2018.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)  
 [ISSUEDATE]  
 [TESTDATE] Thu Aug 16 16:19:44 2018  
 [TEST] 1  
 [MANUFAC] BEGHELLI  
 [LUMCAT]  
 [LUMINAIRE] BS830LEDLOWT3022ACW120-277[\_P  
 [LAMP] LED 0.195W White 5630 package (65mA)  
 [LAMPCAT] SPMWHT541MD-3900K  
 [OTHER]  
 IESNA:LM-63-2002[TEST] 6,552[TESTLAB] CSA Group  
 [ISSUEDATE] 7/24/2013 1:09:24 PM  
 [MANUFAC] Beghelli  
 [OTHER] Luminous shape: Rectangle  
 [OTHER] Luminous dimensions (feet)  
 [OTHER] 0 - 180 Axis: 4.2  
 [OTHER] 90 - 270 Axis: 0.6  
 [OTHER] Height: 0.1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7303	6137	7303
55	3693	3011	3693
65	2135	1685	2135
75	2020	1537	2020
85	1331	967	1331

CANDELA TABULATION

	<u>0</u>
0	5917.363
5	5817.411
10	5680.567
15	5463.889
20	5129.477
25	4715.726
30	4285.167
35	3880.909
40	3533.577
45	3118.097
50	2379.485
55	1530.446
60	900.614
65	830.810
70	819.067
75	711.379
80	558.827
85	404.998
90	274.159
95	169.478
100	97.129
105	52.710
110	29.702
115	18.371
120	12.516
125	8.879
130	6.863
135	5.393
140	4.561
145	3.847
150	3.503
155	3.402
160	3.847
165	4.326
170	4.469
175	4.368
180	8.434

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2085.73	N.A.	16.30
0-30	4257.38	N.A.	33.30
0-40	6696.94	N.A.	52.40
0-60	10451.5	N.A.	81.80
0-80	12030.08	N.A.	94.20
0-90	12477.93	N.A.	97.70
10-90	11926.33	N.A.	93.40
20-40	4611.21	N.A.	36.10
20-50	6953.69	N.A.	54.40
40-70	4593.23	N.A.	36.00
60-80	1578.58	N.A.	12.40
70-80	739.91	N.A.	5.80
80-90	447.85	N.A.	3.50
90-110	255.55	N.A.	2.00
90-120	275.23	N.A.	2.20
90-130	283.60	N.A.	2.20
90-150	290.40	N.A.	2.30
90-180	293.70	N.A.	2.30
110-180	38.15	N.A.	0.30
0-180	12771.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

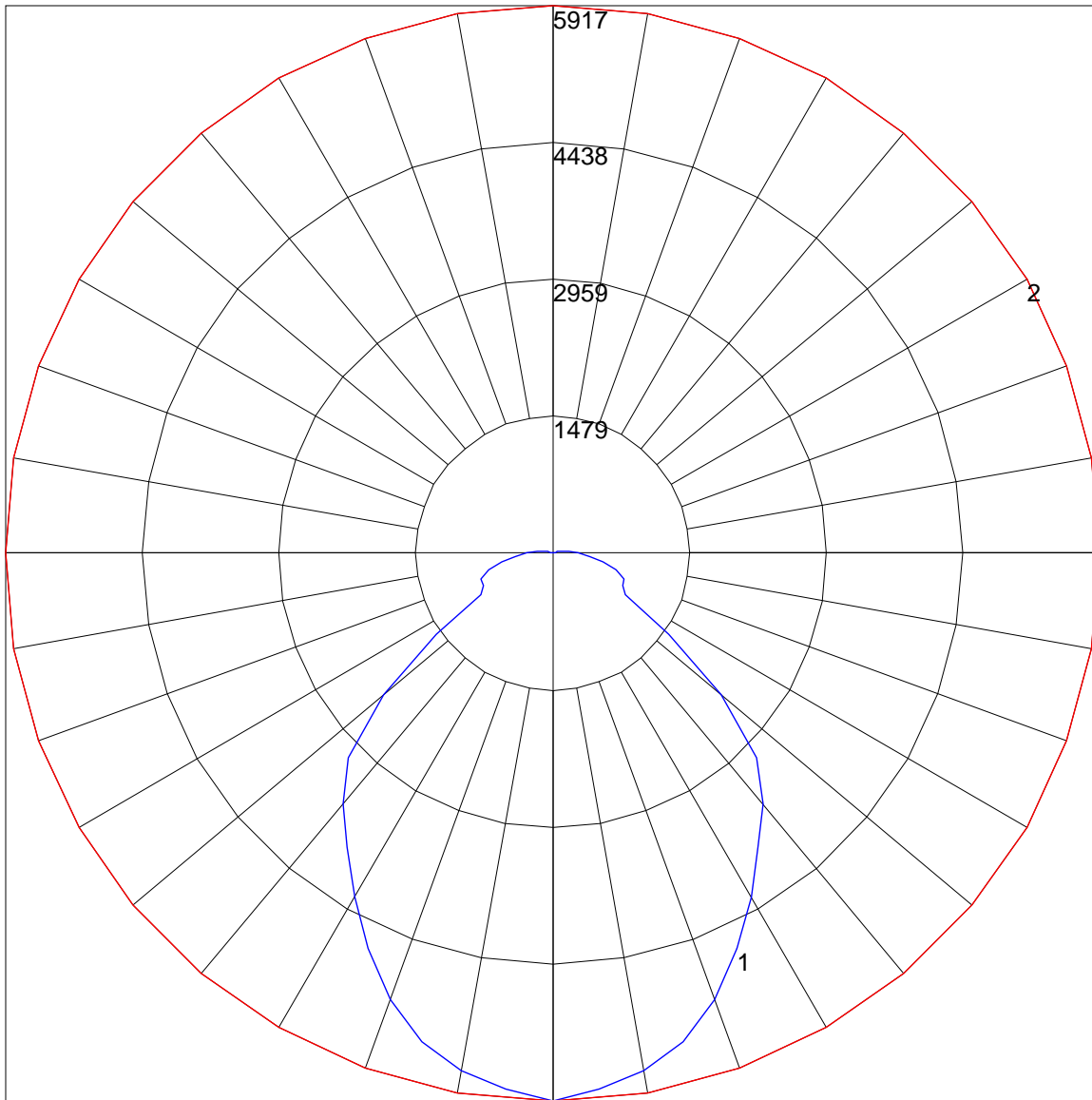
Zone	Lumens
0-10	551.60
10-20	1534.12
20-30	2171.65
30-40	2439.56
40-50	2342.48
50-60	1412.08
60-70	838.67
70-80	739.91
80-90	447.85
90-100	193.91
100-110	61.63
110-120	19.68
120-130	8.37
130-140	4.32
140-150	2.49
150-160	1.63
160-170	1.20
170-180	0.47

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	101	98	94	97	94	91	92	90	88	89	87	85	82
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	71	67	63	61
4	85	74	65	59	82	72	64	59	69	63	58	67	61	57	64	60	56	53
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	51	46	57	50	45	55	49	45	54	48	44	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	49	44	40	38
8	63	51	43	37	62	50	42	37	48	41	37	47	41	36	46	40	36	34
9	59	47	39	34	58	46	39	34	45	38	33	44	37	33	42	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30	41	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 5917.363 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)